

Notice of Allowability

Application No.

09/900,204

Examiner

Mark Connolly

Applicant(s)

MULLINS ET AL.

Art Unit

2115

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to an interview conducted 17 November 2004.
2. ☒ The allowed claim(s) is/are 1,2 and 4.
3. ☒ The drawings filed on 06 July 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

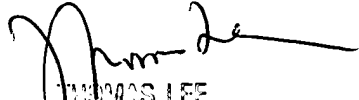
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 6-3-04 & 7-7-04
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 20041120.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


THOMAS LEE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Carl Oppedahl, Reg. No. 32,746 on November 17, 2004.

2. The application has been amended as follows:

In the claims: Please amend claims 1-4 as follows:

- 1: A power supply unit controller for a rack enclosure in which a plurality of devices communicate via a backplane, said controller comprising:

means for reading at least one signal indicative of an output supply level being provided to said backplane by a power supply unit associated with said power supply unit controller;

memory for storing at least one value associated with a respective one of the at least one signal;

means for communicating said at least one value to one of said devices; and

means for receiving power for said power supply unit controller from said backplane;

further characterized in that one of said devices is an Enclosure Services processor arranged to communicate with a bus controller through one of a SCSI Enclosure Services (SES)

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or a SCSI Access Fault Tolerant Enclosure (SAF-TE) protocol and said power supply unit controller is adapted to communicate with said Enclosure Services processor.

2: A rack enclosure including:

a backplane,

at least one power supply unit connected to and adapted to supply power to said backplane, each associated with a respective power supply unit controller according to claim 1, and

a plurality of devices receiving power from said backplane, at least one of said devices adapted to communicate with the at least one power supply unit controller;

further characterized in that one of said devices is an Enclosure Services processor arranged to communicate with a bus controller through one of a SCSI Enclosure Services (SES) or a SCSI Access Fault Tolerant Enclosure (SAF-TE) protocol and said power supply unit controller is adapted to communicate with said Enclosure Services processor.

3: Please cancel claim 3.

4: A power supply unit controller for a rack enclosure in which a plurality of devices communicate via a backplane, said controller comprising:

means for reading at least one signal indicative of an output supply level being provided to said backplane by a power supply unit associated with said power supply unit controller;

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

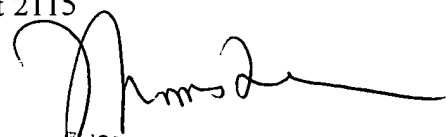
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Connolly whose telephone number is (571) 272-3666. The examiner can normally be reached on M-F 8AM-5PM (except every first Friday).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas C Lee can be reached on (571) 272-3667. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

mc
November 20, 2004

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Examiner
Art Unit 2115



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SUPERVISORY PATENT EXAMINER
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memory for storing at least one value associated with a respective one of the at least one signal;

means for communicating said at least one stored value to one of said devices; and

means for receiving power for said power supply unit controller from said backplane;

further characterized in that one of said devices is an Enclosure Services processor arranged to communicate with a bus controller through one of a SCSI Enclosure Services (SES) or a SCSI Access Fault Tolerant Enclosure (SAF-TE) protocol and said power supply unit controller is adapted to communicate with said Enclosure Services processor.

3. Pursuant to MPEP 606.1, the title has been changed to read:

**-- A SYSTEM FOR COMMUNICATING A SIGNAL TO A DEVICE
INDICATING AN OUTPUT SUPPLY LEVEL BEING PROVIDED TO A BACKPLANE
FROM A POWER SUPPLY UNIT --**

Conclusion

4. The following is an examiner's statement of reasons for allowance:

- US Pat No. 5842027 to Oprescu et al teaches a system for monitoring a supply output and communicating a value representative of that output level to a device [figs. 1-2 and abstract, col. 6 lines 42-48, col. 7 lines 10-16 and col. 8 lines 1-65].

The prior art of record does not teach or suggest individually or in combination an enclosure services processor arranged to communicate with a bus controller through an SES or SAF-TE protocol.